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MONTANA OIL AND GAS STATISTICAL BULLETIN

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Vol. XXVIII No. 9 8 **September, 1979**

PRODUCTION STATUS

Production of crude oil and condensate from oil and gas areas of Montana for the month of September, 1979 averaged 84,956 barrels daily, an increase of 797 barrels from the average 84,159 production in August, 1979.

The six refineries in the state processed 133,829 barrels of crude oil daily for the month of September, 1979, a decrease of 232 barrels from the 134,061 barrels processed daily during the month of August, 1979.

During September, 47 wells were completed, 16 oil, 21 gas, and 10 dry holes.

During September the board issued 85 permits to drill new wells, a decrease of 37 from from the 122 permits issued during August, 1979.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA
MONTH OF SEPTEMBER, 1979

IN STORAGE, SEPTEMBER 1st	
By Producers	402,216
By Transporters	1,595,809
By Refiners	988,718
TOTAL STORAGE	2,986,743
Produced in Mont. During Month	2,548,671
Imported During Month	3,018,713
TOTAL	8,554,127
DISPOSITION	
Refined in Montana	4,014,882
Exported	1,783,438
Used For Fuel or Lost	25,861
TOTAL	5,824,181
IN STORAGE: SEPTEMBER 30th	
By Producers	398,522
By Transporters	1,701,382
By Refiners	630,042
TOTAL STORAGE	2,729,946

REFINERS MONTHLY REPORT
SEPTEMBER, 1979

Company	Beginning Storage	Montana Oil	N. Dakota Oil	Wyoming Oil	Canada Oil	Refined	Ending Storage
Continental Oil Co.	183, 270	228,664	—	328,807	883,774	1,394,260	229,501
Exxon Company	214,160	45,976	—	801,549	256,184	1,089,824	228,045
Farmers Union	555,403	43,708	—	252,208	451,011	1,161,206	141,124
Kenco Refining	3,118	110,813	—	—	—	104,509	9,422
Philips Petroleum	8,094	62,645	—	—	45,180	109,648	6,271
Wesco Refining Co.	24,673	146,441	—	—	—	155,435	15,679
Totals	988,718	638,247	—	1,382,564	1,636,149	4,014,882	630,042

AVERAGE BARRELS RECEIVED PER DAY

	Montana	N. Dakota	Wyoming	Canada	Total
Year, 1978	24,240	190	47,982	58,545	130,957
September, 1978	24,483	31	50,344	67,671	142,529
September, 1979	21,275	—	46,086	54,538	121,899

PERCENTAGE OF CRUDE OIL RECEIVED

	Montana	N. Dakota	Wyoming	Canada
Year, 1978	18.51%	.14%	36.64%	44.71%
September, 1978	17,18%	.02%	35.32%	47.48%
September, 1979	17.45%	—	37.81%	44.74%

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Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
1	Anvil	1	788	8,881	8,436	—	1,233
5	Arch Apex	6	1,976	1,160	2,019	190	927
2	Ash Creek	3	416	772	797	—	391
—	Bainville	—	3,351	—	—	—	3,351
2	Bainville, North	2	—	2,519	1,177	—	1,342
1	Bainville, West	1	779	659	328	—	1,110
5	Bannatyne	12	334	668	857	—	145
6	Bears Den	7	2,125	950	1,639	—	1,436
15	Bell Creek	151	14,732	469,873	459,875	11,296	13,434
—	Benrud	—	124	—	—	—	124
3	Benrud, East	3	1,847	6,875	7,172	—	1,550
1	Benrud, Northeast	1	869	1,167	1,232	—	804
1	Berthelote	1	409	115	421	—	103
2	Big Gully	2	196	535	542	—	189
1	Big Gully, North	1	284	506	420	5	365
2	Big Muddy Creek	2	1,603	3,917	4,058	—	1,462
5	Big Wall	11	810	9,536	9,892	—	454
1	Big Wall, North	1	256	54	214	—	96
1	Blackfoot	6	628	1,478	1,611	—	495
1	Blue Hill	1	687	1,665	1,597	—	755
5	Border	9	1,080	859	792	—	1,147
1	Boulder	1	354	637	632	—	359
1	Bowes	55	3,649	10,990	10,866	—	3,773
2	Bradley	2	512	587	403	—	696
2	Breed Creek	3	1,086	12,032	12,032	—	1,086
6	Brorson-Madison	6	1,838	3,246	2,942	—	2,142
2	Brorson-Red River	2	4,922	2,194	2,189	—	4,927
4	Brorson-Red River, South	4	2,766	6,328	6,834	—	2,260
5	Brush Lake	5	1,399	6,740	7,538	—	601
2	Burns Creek	2	1,007	1,348	1,329	—	1,026
2	Cabin Creek	81	—	136,803	136,803	—	—
2	Canal	2	1,175	1,936	1,581	—	1,530
2	Carlyle	2	1,210	4,023	4,346	—	887
10	Cat Creek	60	1,826	7,411	6,783	263	2,191
2	Charlie Creek	2	2,071	11,918	13,039	—	950
—	Clark's Fork	—	26	—	—	—	26
—	Clark's Fork, North	—	1,033	—	—	—	1,033
1	Clark's Fork, South	1	1,063	148	333	788	90
6	Clear Lake	9	3,174	22,966	22,232	—	3,908
1	Colored Canyon	1	550	3,721	3,918	—	353
—	Conrad, South	—	90	—	—	—	90
1	Cow Creek	1	288	345	171	—	462
9	Cow Creek, East	11	5,408	12,794	11,732	—	6,470
—	Crane	—	854	—	—	—	854
2	Culbertson	2	1,949	4,827	5,846	—	930
7	Cupton	9	4,139	5,879	5,619	—	4,399
87	Cut Bank	912	33,561	122,915	118,238	781	37,457
1	Dagmar	1	743	4,302	4,517	—	528
1	Dean Dome	1	631	300	—	—	931
1	Deer Creek	1	384	495	466	—	413
1	Delphia	1	197	614	706	—	105
—	Devils Basin	—	114	—	—	—	114
6	Dry Creek	6	655	1,501	914	—	1,242
1	Dry Creek, West	1	422	390	258	—	554
2	Dwyer	10	3,656	11,374	10,685	—	4,345
2	Eagle	2	939	1,938	1,695	—	1,182
3	Elk Basin	57	545	83,885	83,957	—	473
2	Elk Basin, Northwest	4	1,127	952	784	—	1,295
1	Enid, North	1	495	902	1,025	—	372
4	Fairview	8	6,665	17,687	15,192	—	9,160
1	Fertile Prairie	1	665	540	774	—	431
4	Flat Coulee	21	1,703	12,631	13,046	—	1,288
7	Flat Lake	51	2,727	47,518	48,021	—	2,224
4	Flat Lake, South	4	1,527	2,906	3,089	—	1,344
2	Fort Gilbert	3	902	3,121	3,427	—	596
1	Four Mile Creek	1	710	3,704	3,292	—	1,122
1	Four Mile Creek, West	2	1,786	6,518	6,910	—	1,394
1	Fox Creek	1	1,007	2,147	2,884	—	270
1	Fox Creek, North	1	1,582	531	1,349	—	764
1	Frannie	1	—	450	450	—	—
14	Fred and George Creek	37	6,117	33,262	34,149	—	5,230
1	Frog Coulee	1	472	4,648	4,275	—	845
1	Froid, South	1	570	74	—	—	644
1	Gage	1	40	148	—	—	188
3	Gas City	12	9,305	9,136	16,630	—	1,811
—	Girard	—	249	—	—	—	249
11	Glendive	14	2,778	14,547	15,586	—	1,739
—	Golden Dome	—	331	—	—	—	331
12	Goose Lake	31	3,252	18,559	18,733	—	3,078
11	Graben Coulee	38	4,178	5,688	5,960	776	3,130
1	Grandview, East	1	120	240	234	—	126
2	Gumbo Ridge	4	583	3,316	3,286	—	613
7	Gypsy Basin	12	1,788	2,492	2,331	55	1,894
1	Hay Creek-Mission	1	186	726	574	—	338
2	Hay Creek-Red River	2	1,548	2,140	1,743	—	1,945
4	Hiawatha	4	1,998	3,041	3,771	—	1,268
—	Hibbard	—	1,089	—	411	405	273
8	High Five	13	2,672	18,598	17,861	—	3,409
2	Highview	2	29	366	—	—	395
—	Horse Creek	—	247	—	—	—	247
2	Howard Coulee	2	551	1,042	834	—	759
4	Ivanhoe	9	993	1,645	1,449	—	1,189
1	Jackass Butte	1	453	39	—	99	393
2	Jim Coulee	14	3,157	15,426	15,725	—	2,858
2	Katy Lake, North	2	1,214	20,039	20,036	—	1,217
6	Keg Coulee	18	3,695	6,813	7,113	32	3,363
3	Keg Coulee, North	3	1,192	1,270	1,329	5	1,128
1	Kelley	3	555	1,235	1,323	—	467
113	Kevin Sunburst	508	12,855	32,558	31,027	249	14,137
1	Laird Creek	9	521	1,051	541	—	1,031
2	Laurel	4	245	144	—	—	389
5	Leary	5	1,720	3,183	2,639	28	2,236
1	Little Beaver	22	402	33,400	33,400	282	120
1	Little Beaver, East	9	1,996	10,615	11,299	—	1,312
15	Little Wall Creek	19	4,101	16,577	15,634	110	4,934
1	Lodge Grass	1	599	592	669	—	522

PRODUCERS'S REPORT — MONTH OF SEPTEMBER, 1979 (CONTINUED)

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
2	Lone Butte	2	747	2,233	2,148	—	832
8	Lonetree Creek	9	6,748	22,244	22,845	—	6,147
1	Long Creek	1	308	447	489	—	266
2	Long Creek, West	2	749	4,591	4,442	—	898
3	Lookout Butte (Coral Creek)	29	500	51,123	50,923	—	700
8	Mason Lake	13	1,450	16,675	16,056	—	2,069
1	Mason Lake, North	1	74	167	—	—	241
1	McCabe	1	457	1,803	1,169	—	1,091
3	Medicine Lake	4	2,905	19,717	18,361	(259)	4,520
4	Melstone	9	1,026	12,318	12,105	—	1,239
1	Mineral Bench	1	566	217	217	—	566
2	Miners Coulee	2	675	317	244	75	673
25	Mon Dak West	25	18,493	106,044	104,715	573	19,249
8	Monarch	12	3,606	9,971	9,653	295	3,629
3	Mosser	10	—	524	524	—	—
1	Nohly	2	1,150	5,726	6,071	—	805
1	North Fork	2	1,048	2,858	3,509	—	397
2	Otis Creek	2	2,506	2,750	2,732	—	2,524
5	Outlook	6	2,918	11,082	12,365	—	1,635
1	Outlook, South	1	443	95	—	—	538
1	Outlook, West	1	1,574	638	351	—	1,861
1	Oxbow	1	1,335	4,957	4,484	—	1,808
1	Pelican	1	16	212	—	—	228
1	Pennel	114	850	259,883	259,709	—	1,024
1	Pete Creek	1	66	236	220	—	82
2	Phantom	3	1,848	1,958	2,017	—	1,789
4	Pine	101	13,357	179,770	178,863	—	14,264
—	Pine, East	—	429	—	357	18	54
63	Pondera	283	6,405	22,239	21,891	—	6,753
2	Pondera Coulee	2	—	619	619	—	—
6	Poplar	68	5,745	18,911	20,080	—	4,576
11	Poplar, Northwest	16	3,499	9,531	9,333	—	3,697
1	Prairie Elk	1	597	323	247	—	673
1	Prichard Creek	4	376	468	348	—	496
12	Putnam	13	4,664	51,823	50,341	161	5,985
2	Rabbit Hills	2	2,002	3,388	2,933	—	2,457
10	Ragged Point	22	3,231	4,264	3,587	—	3,908
2	Rattler Butte	2	267	1,248	901	—	614
2	Rattlesnake Coulee	2	825	210	470	—	565
2	Raymond	3	1,992	17,846	18,108	—	1,730
1	Raymond, Northeast	1	515	1,089	854	—	750
4	Reagan	54	281	20,226	20,260	—	247
1	Red Creek	20	—	6,299	6,299	—	—
1	Red Fox	1	423	282	496	—	209
1	Redstone	1	451	560	716	—	295
1	Repeat	1	235	1,069	1,089	—	215
4	Reserve	4	3,431	5,259	6,208	—	2,482
2	Richey	3	658	1,230	1,486	—	402
1	Richey, Southwest	4	588	541	441	—	688
2	Ridgelawn	2	1,390	5,349	5,199	—	1,540
2	RipRap Coulee	2	553	1,413	1,068	—	898
1	Rocky Point	1	804	1,617	1,199	—	1,222
1	Roscoe Dome	1	11	635	98	—	548
4	Rosebud	4	1,470	1,606	1,932	—	1,144
1	Rudyard	1	107	84	—	—	191
1	Rush Mountain	1	427	1,415	1,107	—	735
2	Salt Lake	3	574	1,831	1,847	—	558
—	Sand Creek	—	318	—	—	—	318
4	Second Creek	4	1,550	6,739	6,749	—	1,540
2	Sheepherder	3	723	325	449	4	595
1	Shotgun Creek, North	1	436	1,132	1,040	—	528
14	Sidney	14	4,992	22,149	21,102	—	6,039
1	Singletree	1	179	2,963	1,766	—	1,376
7	Sioux Pass	7	4,802	13,297	13,089	—	5,010
1	Sioux Pass, East	1	138	369	202	—	305
4	Sioux Pass, Middle	4	3,035	11,484	12,244	—	2,275
6	Sioux Pass, North	6	5,228	15,249	15,511	—	4,966
1	Snyder	3	765	428	1,131	(93)	155
8	Soap Creek	25	1,361	4,476	4,661	(282)	1,458
2	Soap Creek, East	3	414	1,446	945	—	915
3	South Fork	3	2,298	12,787	13,629	—	1,456
1	Spring Lake	1	1,034	705	813	—	926
1	Stensvad	3	2,792	450	1,638	—	1,604
30	Sumatra	100	8,764	105,110	105,643	248	7,983
3	Sunnyhill	3	628	1,477	1,379	—	726
—	Tippy Buttes	—	56	—	—	—	56
5	Tule Creek	5	2,068	10,654	10,121	—	2,601
1	Tule Creek, East	1	1,248	831	1,627	—	452
2	Tule Creek, South	3	999	2,161	2,504	—	656
4	Utopia Swift	13	1,231	4,656	4,401	—	1,486
13	Vaux	13	9,466	22,144	22,307	—	9,303
—	Vida	—	124	—	—	—	124
5	Volt	6	2,891	6,898	6,436	—	3,353
1	Wagon Box	1	250	25	—	—	275
1	Weed Creek	1	793	579	292	—	1,080
1	Weldon	2	1,802	1,113	1,870	—	1,045
1	West Butte	1	241	508	345	—	404
31	Whitlash	70	12,402	12,415	11,824	—	12,993
1	Whitlash, West	1	420	115	233	—	302
3	Willow Creek, North	3	622	752	507	—	867
1	Willow Ridge	3	—	397	397	—	—
3	Wills Creek, South	3	—	2,963	2,963	—	—
2	Winnett Junction	6	479	8,080	8,159	—	400
3	Wolf Springs	4	1,403	2,737	2,128	—	2,012
—	Womans Pocket	—	271	—	—	—	271
2	Woodrow	2	505	568	913	—	160
1	Wright Creek	2	997	573	879	—	691
—	Wildcat, McCone County	—	52	—	—	—	52
6	Wildcat, Richland County	6	5,276	4,990	6,000	—	4,266
3	Wildcat, Sheridan County	3	1,371	6,002	6,150	—	1,223
—	Wildcat, Toole County	—	200	—	—	—	200
922	TOTALS	3,585	402,216	2,548,671	2.536,261	16,104	398,522

See back page for oil production, shipping and storage summaries.

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA AT 14.73 PSIA AND 60°F.—MONTH OF SEPTEMBER, 1979

Field	MC. FT.
NATURAL:	
Alma	522
Arch Apex	13,468
Badlands	16,404
Battle Creek	268,797
Bear's Den	3,480
Big Coulee	55,344
Big Rock	25,671
Black Coulee	1,380
Blackjack	22,043
Bowdoin & Area	663,363
Bowes	25,123
Brown's Coulee	60
Bullwacker & Area	93,574
Canadian Coulee & Area	56,615
Cedar Creek	141,571
Chain Lakes	1,396
Chip Creek	1,212
Clark's Fork, North	425
Coal Coulee	2,283
Cut Bank	112,140
Dry Creek	83,308
Dry Creek, Middle	2,996
Dunkirk North	23,670
East Chinook	222
Flat Coulee	3,729
Fred & George	12,833
Fresno & Area	2,949
Gold Butte	249
Grandview	23,061
Gypsy Basin	142,632
Hardin	3,140
Haystack Butte	13,997
Highview	3,452
Keith Block	26,293
Kevin Sunburst	24,236
Kevin Sunburst Nisku & Area	23,964
Kicking Horse	16,274
Kinyon Coulee Area	6,006
Lake Basin	60,864
Ledger	23,215
Leroy	66,649
Liscom Creek	14,444
Lohman	6,481
Marias River	—
Middle Butte	15,994
Miners Coulee	39,895
Mt. Lilly	457
Phantom	47,324
Plevna	3,124
Prairie Dell	57,244
Pumpkin Creek	—
Rapelje	14,795
Rocky Boy Area	6,747
Rudyard	50,110
Sage Creek	9,047
Sawtooth Mountain & Area	65,172
Sherard	24,778
Snoose Coulee	9,220
South Devon	9,480
Strawberry Creek Area	2,840
Swanson Creek	4,531
Three Mile	502
Tiger Ridge	573,358
Trail Creek	—
Utopia	—
West Butte	—
Whitlash	63,525
Willow Ridge	14,825
TOTAL NATURAL GAS	3,102,503

Field	MC. Ft.
ASSOCIATED:	
Anvil	7,464
Bell Creek	23,266
Big Muddy Creek	4,165
Blue Hill	1,506
Cabin Creek	20,575
Charlie Creek	—
Clark's Fork South	6,990
Culbertson	6,138
Eagle	361
Elk Basin	9,484
Fairview	20,414
Four Mile Creek	3,047
Four Mile Creek, West	5,279
Glendive	—
Katy Lake, North	2,946
Lookout Butte (Coral Creek)	4,426
Medicine Lake	3,055
Mon Dak West	59,378
Otis Creek	1,528
Pennel	17,222
Pine	10,156
Richland	59,677*
Single Tree	3,810
Sioux Pass	24,908
Sious Pass, East	280
Sioux Pass, Middle	6,562
Sioux Pass, North	15,363
Sumatra	—
Tule Creek	—
Vaux	—
TOTAL ASSOCIATED GAS	318,000
TOTAL WITHDRAWALS	3,420,503

Total withdrawals for September, 1978 were 3,707,981 MCF.

*Includes such fields as Benrud, Brorson, Ft. Gilbert, Hay Creek, Lone Butte, Red Fox & Second Creek.

Total oil produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1978	30,467,337	83,472	30,316,941	83,060
1st Quarter, 1979	6,992,797	77,698	7,014,545	77,939
2nd Quarter, 1979	7,450,412	81,873	7,448,554	81,852
July, 1979	2,555,932	82,449	2,553,673	82,377
August, 1979	2,608,941	84,159	2,594,998	83,710
September, 1979	2,548,671	84,956	2,536,261	84,542

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage	Total In Storage
December 1978	428,559	1,432,743	935,266	2,796,568
March, 1979	403,818	1,425,052	860,312	2,689,182
June, 1979	397,439	1,478,422	906,150	2,782,011
July, 1979	397,587	1,425,954	1,076,140	2,899,681
August, 1979	402,216	1,468,780	988,718	2,859,714
September, 1979	398,522	1,701,382	630,042	2,729,946